

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

Claim 1 to 9 (canceled).

Claim 10 (currently amended): A projection illumination system, comprising:

a solid state light source unit emitting at least one light beam; and

a reflecting mirror unit for raster scanning the light beam over an image, wherein:

the image is an existing image on a medium selected from the group consisting of a wall, a screen, a sign, and a billboard; and

said raster scanning comprises moving the light beam along horizontal and vertical directions at a sufficient refresh rate that allows a human viewer to see an entire image without flicker.

Claim 11 (original): The system of claim 10, wherein the solid state light source unit comprises at least one solid state light source selected from the group consisting of semiconductor edge emitting laser diodes (LD), vertical cavity surface emitting laser diodes (VCSEL), diode pumped solid state frequency doubled (DPSSFD) lasers, and light emitting diodes (LED) for desired color.

Claim 12 (original): The system of claim 10, wherein the reflecting mirror unit is selected from the group consisting of:

a bi-directional micro-electro-mechanical system (MEMS) scanning mirror;

a first MEMS scanning mirror rotating about a horizontal axis and a second MEMS scanning mirror rotating about a vertical axis; and

at least one galvanometer mirror manufactured by mechanical processes.

Claim 13 (canceled).

Claim 14 (currently amended): A projection illumination system, comprising:

a solid state light source unit emitting at least one light beam; and

a reflecting mirror unit for raster scanning the light beam over an image, wherein:

~~The system of claim 10, wherein~~ the image is an existing image on a semi-transparent material so the image can be viewed on both sides; and

said raster scanning comprises moving the light beam along horizontal and vertical directions at a sufficient refresh rate that allows a viewer to see an entire image without flicker.

Claim 15 (currently amended): A projection illumination system, comprising:

a solid state light source unit emitting at least one light beam; and

a reflecting mirror unit for raster scanning the light beam over an image, wherein:

~~The system of claim 10, wherein~~ the image is an existing ~~[[a]]~~ semi-transparent image; and

said raster scanning comprises moving the light beam along horizontal and vertical directions to project the image is projected onto a medium to create a larger image at a sufficient refresh rate that allows a viewer to see an entire image without flicker.

Claim 16 (currently amended): A projection illumination system, comprising:

a first solid state light source unit emitting at least a first light beam;

a first reflecting mirror unit for scanning the first light beam over an image to illuminate the image;

a second solid state light source unit emitting at least a second light beam;

a second reflecting mirror unit for scanning the second light beam over the image to illuminate the image;

wherein:

the first reflecting mirror unit illuminates a first portion of the image while the second reflecting mirror unit illuminates a second portion of the image;

the image is an existing image on a medium selected from the group consisting of a wall, a screen, a sign, and a billboard; and

the first and the second light beams are raster scanned at a sufficient refresh rate that allows a viewer to see an entire image without flicker.

Claim 17 (currently amended): The system of claim [[16]] 15, wherein the projection illumination system comprises one of an overhead projector, ~~an LCD projector~~, and a slide machine.

Claims 18 and 19 (canceled).

Claims 20 to 28 (canceled).

Claim 29 (new): The system of claim 14, wherein the solid state light source unit comprises at least one solid state light source selected from the group consisting of semiconductor edge emitting laser diodes (LD), vertical cavity surface emitting laser diodes (VCSEL), diode pumped solid state frequency doubled (DPSSFD) lasers, and light emitting diodes (LED) for desired color.

Claim 30 (new): The system of claim 14, wherein the reflecting mirror unit is selected from the group consisting of:

a bi-directional micro-electro-mechanical system (MEMS) scanning mirror;

a first MEMS scanning mirror rotating about a horizontal axis and a second MEMS scanning mirror rotating about a vertical axis; and

at least one galvanometer mirror manufactured by mechanical processes.

Claim 31 (new): The system of claim 15, wherein the solid state light source unit comprises at least one solid state light source selected from the group consisting of semiconductor edge emitting laser diodes (LD), vertical cavity surface emitting laser diodes (VCSEL), diode pumped solid state frequency doubled (DPSSFD) lasers, and light emitting diodes (LED) for desired color.

Claim 32 (new): The system of claim 15, wherein the reflecting mirror unit is selected from the group consisting of:

a bi-directional micro-electro-mechanical system (MEMS) scanning mirror;

a first MEMS scanning mirror rotating about a horizontal axis and a second MEMS scanning mirror rotating about a vertical axis; and

at least one galvanometer mirror manufactured by mechanical processes.

Claim 33 (new): The system of claim 16, wherein the first and the second solid state light source units comprise at least one solid state light source selected from the group consisting of semiconductor edge emitting laser diodes (LD), vertical cavity surface emitting laser diodes (VCSEL), diode pumped solid state frequency doubled (DPSSFD) lasers, and light emitting diodes (LED) for desired color.

Claim 34 (new): The system of claim 16, wherein the first and the second reflecting mirror units are selected from the group consisting of:

a bi-directional micro-electro-mechanical system (MEMS) scanning mirror;

a first MEMS scanning mirror rotating about a horizontal axis and a second MEMS scanning mirror rotating about a vertical axis; and

at least one galvanometer mirror manufactured by mechanical processes.